

AMENDMENTS TO THE SPECIFICATION

In the Specification:

Please replace paragraph [0028] with the following amended paragraph:

[0028] The controller 300 comprises an ASL calculator 310, an image data corrector 320, an automatic power controller 330, and a subfield generator 340. The ASL calculator 310 measures the load factor of externally input video signals. The image data corrector 320 receives the number of subfields fed back from the automatic power controller 330, corrects the image data with reference to a correction table corresponding to the number of subfields, and outputs the corrected image data to the automatic power controller ~~[[320]]~~ 330. The automatic power controller 330 outputs sustain/scan pulse information and the number of subfields corresponding to the load factor. The subfield generator 340 generates subfield data corresponding to each image data for the number of subfields output from the automatic power controller 330.

Please replace paragraph [0033] with the following amended paragraph:

[0033] The image data corrector 320 corrects the video signals and outputs the corrected image data. If necessary, the image data corrector 320 corrects the gamma value of the image data according to the characteristics of the PDP 100, and at the same time, performs propagation processing of display errors for the surrounding pixels. In particular, for example, the image data corrector 320 uses the number of subfields fed from the automatic power controller 330 to correct the image data with reference to a correction table corresponding to the number of subfields and outputs the corrected image data to the automatic power controller ~~[[320]]~~ 330.